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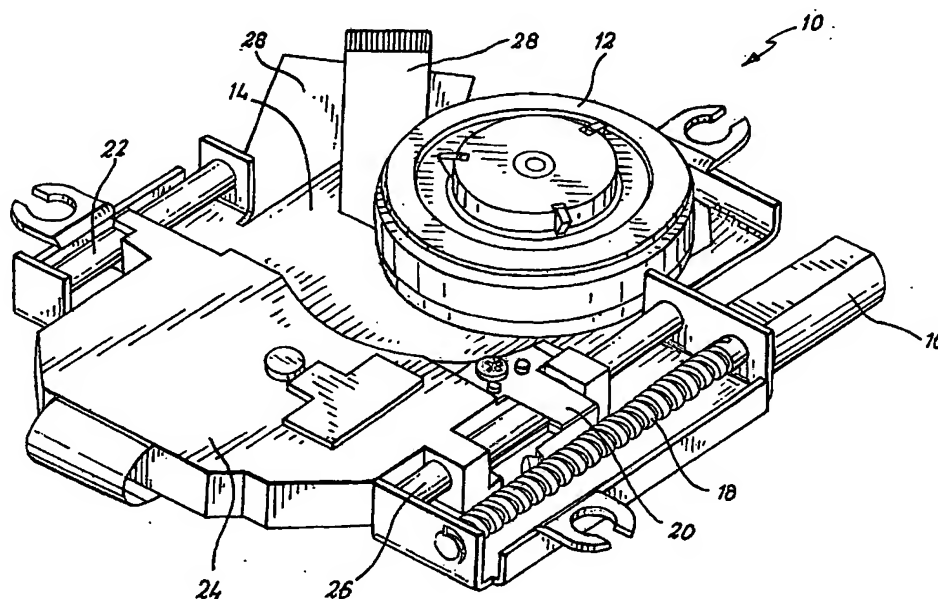
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(54) Title: **SINGLE PIECE OPTICAL MECHANICAL ASSEMBLY FOR OPTICAL DATA STORAGE ENGINES**



(57) Abstract: The invention provides an Optical Mechanical Assembly (OMA) for use in a portable optical data storage device, having a single piece chassis with mounting means for mounting components of the portable optical storage device. The chassis mounting means can mount the windings of the disc spindle motor, the control circuit of the disc spindle motor and the motor shaft of the disc spindle motor. The invention provides improvements to the drive design, which can reduce cost, improve tolerancing and build time.

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